003 4		Application Number	10/621,455
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Filing Date	July 18, 2003
		First Named Inventor	Ravi Kanth Kothuri
		Group Art Unit	TBD
		Examiner Name	TBD
Total Number of Pages in This Submission	215	Attorney Docket Number	19111.0098
	ENCL	OSURES (check all that apply)	
Fee Transmittal Form	Statem Status	nent Claiming Small Entity	After Allowance Communication Group
Fee Attached	☐ Drawir	ng(s)	Appeal Communication to Board Appeals and Interferences
Amendment / Response	mendment / Response		Appeal Communication to Grou (Appeal Notice, Brief, Reply Brief)
After Final		n Routing Slip (PTO/SB/69) ccompanying Petition	Proprietary Information
Affidavits/declaration(s)	lavits/declaration(s) Petitic		Status Letter
		of Attorney, Revocation ge of Correspondence Address	Other Enclosure(s) (please identify below):
	Terminal Disclaimer		PTO Form 1449 and 12 references
Express Abandonment Request	Reque	est for Refund	references
☐ CD, N		umber of CD(s)	
Certified Copy of Priority Remarks		arks	
Response to Missing Parts/ Incomplete Application			
Response to Missing Parts under 37 CFR 1.52 or 1.53			
SIGNA	TURE OF	APPLICANT, ATTORNEY, O	OR AGENT
Firm	Michael A. Schwartz, Reg. No. 40,161		
Signature / Multiple	Muhael a. Islanyky		
Date October 22, 2003		<u> </u>	
	CI	RTIFICATE OF MAILING	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Signature

Date



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:
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Ravi Kanth Kothuri

Application No. 10/621,455 : Art Unit: TBD

Filed: July 18, 2003 : Examiner: TBD

For: Within Distance Query Pruning in an R-tree Index

INFORMATION DISCLOSURE STATEMENT

Box IDS Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

For insuring compliance with the applicant's duty of disclosure under 37 CFR § 1.56, the undersigned hereby submits the documents listed on the attached Form PTO-1449 for consideration by the Examiner in charge of the above-identified patent application.

U.S. patent applications which the applicant considers to be related to the above—identified application are as follows: U.S. Patent applications 10/397,530 (title: Query Pruning Using Interior Circles for Geodetic Data in an R-Tree Index; filed March 27, 2003) owned by Oracle International Corporation and 09/886,487 (title: Query Pruning Using Interior Rectangles in an R-Tree Index; filed June 22, 2001) owned by Oracle Corporation.

A concise explanation of the relevance of the non-English language references is

within three months of the filing of the above U.S. national application or of the date of entry of the U.S. national stage in an International Patent Application (no fee is due);
before receiving a first Office Action on the merits of the above-identified patent application; or before receiving a first Office Action after filing of a Request for Continued Examination (no fee is due);
following receipt of a first Office Action, but before issuance of a Final Office Action or a Notice of Allowance (if this box is checked, one of the last three boxes also must be checked);
following receipt of a Notice of Allowance or a Final Office Action (if this box is checked, the next box and one of the last two boxes also must be checked).
The Commissioner is hereby authorized to charge Deposit Account 19-5127, in the amount of \$180.00 for payment of the fee set forth in 37 CFR § 1.17(p).
The undersigned certifies that each item of this information is being submitted within three months of the date it was cited by a foreign patent office in a counterpart application.
The undersigned certifies that, after making reasonable inquiry, he/she has no knowledge that any item of this information was cited by a foreign patent office in a counterpart application or was known more than three months prior to this submission.

The Commissioner is hereby authorized to charge payment of any deficiency in the above fee(s) or to charge any additional fees required under 37 CFR § 1.16 or 1.17 or credit any overpayment to Deposit Account No. 19-5127.

Respectfully submitted,

Date: October 22, 2003

Michael A. Schwartz, Reg. No. 40,161 Swidler Berlin Shereff Friedman, LLP

Muhal a. Shury

3000 K Street, N.W., Suite 300 Washington, D.C. 20007-5116

Telephone: 202 424-7500 Facsimile: 202 295-8478

FORM PTO-1449

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FORMATION DISCLOSURE CITATION

Attorney Docket: 19111.0098 Applicants: Ravi Kanth Kothuri Application No.: 10/621,455 Examiner: TBD

Filing Date: July 18, 2003 Group Art Unit: TBD

TRADEN U.S. PATENT DOCUMENTS DOCUMENT SuB-EXAMINER Number DATE NAME CLASS CLASS INITIAL No. 01/20/1998 Barbara et al. 5,710,916 06/27/1995 Webb et al. 5,428,744 Kim et al. 5,988,853 11/23/1999 Beesley et al. 06/26/2001 6,252,605 6,263,334 07/17/2001 Fayyad et al. 6,308,177 10/23/2001 Israni et al. 6,438,269 08/20/2002 Kim et al. FOREIGN PATENT DOCUMENTS SUB-REF. DOCUMENT TRANSLATION Number DATE COUNTRY **CLASS CLASS** No. OTHER REFERENCES REF. AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. No. P. Fischer et al., Computing a Maximum Axis-Aligned Rectangle in a Convex Polygon, Information Processing Letters 51 (1994) 189-193 R. Kothuri et al, Efficient Processing of Large Spatial Queries Using Interior Approximations, Advances in Spacial and Temporal Databases, Lecture Notes in Computer Science, 2121, pp. 404-424, Redondo Beach, CA, July 2001 H. Alt et al., Computing the Largest Inscribed Isothetic Rectangle, pp. 1-8, Proc. 7th Canadian Conference Computational Geometry, Universit'e Laval, Qu'ebec, August 1995 K. Kanth et al., Indexing Medium-Dimensionality Data in Oracle, Proc. Of ACM SIGMOND Intl. Conference on Management of Data, pp 521-533, June 1999 Silva et al. "An Exact Interactive Time Visibility Ordering Algorithm for Polyhedral Cell Complexes", IEEE 1998, pages 87-94 Date Considered Examiner

Examiner: Initial if reference consider, whether or not citation is in conformance with MPEP §609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Application